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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/698,200	10/31/2003	Chikafumi Yokoyama	58429US002	9988	
	590 02/23/2007 VE PROPERTIES COM	EXAMINER			
PO BOX 33427		WILLIAMS, JOSEPH L			
ST. PAUL, MN 55133-3427			ART UNIT	PAPER NUMBER	
			2879		
SHORTENED STATUTORY	PERIOD OF RESPONSE	NOTIFICATION DATE	DELIVER	DELIVERY MODE	
3 MON	ITHS	02/23/2007	ELECTRONIC		

# Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Notice of this Office communication was sent electronically on the above-indicated "Notification Date" and has a shortened statutory period for reply of 3 MONTHS from 02/23/2007.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

LegalUSDocketing@mmm.com LegalDocketing@mmm.com

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·		Application	Application No. Applicant(s)				
Office Action Summary		10/698,200	)	YOKOYAMA ET AL.			
		Examiner		Art Unit			
		Joseph L. V		2879			
Period fo	The MAILING DATE of this communication app or Reply	ears on the	cover sheet with the c	orrespondence ad	dress		
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)🖾	Responsive to communication(s) filed on 07 Fe	ebruary 200	<b>7</b> .				
	This action is <b>FINAL</b> . 2b) This	-					
3)	Since this application is in condition for allowan			secution as to the	merits is		
	closed in accordance with the practice under E						
Disposit	ion of Claims						
4) 🖂	Claim(s) <u>1,3,4,6-10 and 16-24</u> is/are pending in	n the applica	ation.				
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)[又	Claim(s) <u>1, 4, 6-10, 16, and 18-24</u> is/are allowe						
	Claim(s) 17 is/are rejected.						
	Claim(s) <u>3</u> is/are objected to.						
	Claim(s) are subject to restriction and/or	r election re	guirement.				
	ion Papers		1				
	The specification is objected to by the Examine	_					
	The drawing(s) filed on is/are: a) acce		Tablected to by the	Evaminor			
10)	Applicant may not request that any objection to the c		-		·		
	Replacement drawing sheet(s) including the correcti	•	•	, ,	ED 1 101(d)		
11)		•	• • • • • • • • • • • • • • • • • • • •		• •		
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119							
			051100 0 140()	( ) ( )			
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a)	a) ☐ All b) ☐ Some * c) ☐ None of:						
	<ul> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> </ul>						
			• •		04		
	3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s)							
	te of References Cited (PTO-892)		4) Interview Summary (PTO-413) Paper No(s)/Mail Date				
	e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08)		5) Notice of Informal P				
	er No(s)/Mail Date		6) Other:				

### DETAILED ACTION

The amendment and response filed on 07 February 2007 has been entered.

## Claim Objections

1. Claim 3 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. The claim refers back to itself.

## Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 17 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 17 recites the limitation "the ribs" in line one (1) of the claim. It is not clear which set of ribs this refers back to in the claim. There is insufficient antecedent basis for this limitation in the claim.

## Allowable Subject Matter

3. Claims 1, 4, 6-10, 16, and 18-24 are allowed.

The following is an examiner's statement of reasons for allowance: Regarding independent claim 1, the prior art of record neither shows nor suggest a method of

forming microstructures on a substrate comprised of, in part, disposing a curable material on a substrate, using a mold to form the curable material into a lattice pattern, and firing the curable material after removing the mold, along with the rest of the limitations of the claim.

Due to their dependency, claims 4, 6-10, 16, and 18-24 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Art Unit: 2879

### **Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph L. Williams whose telephone number is (571) 272-2465. The examiner can normally be reached on M-F (6:30 AM-3:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar D. Patel can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Joseph L. Williams Primary Examiner Art Unit 2879